
TECHNICAL MANUAL
HAND RECEIPT
COVERING CONTENTS OF COMPONENTS OF END ITEM (COEI),
BASIC ISSUE ITEMS (BII), AND ADDITIONAL AUTHORIZATION LIST (AAL)
FOR

RADIAC SETS
AN/PDR-27J (NSN 6665-00-543-1435)
AN/PDR-27L (NSN 6665-00-856-3456)
AND
AN/PDR-27Q (NSN 6665-00-017-8903)

HEADQUARTERS, DEPARTMENT OF THE ARMY
12 MARCH 1981

HAND RECEIPT

TM 11-6665-209-10-HR

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 12 March 1981

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BASIC ISSUE ITEMS (BII), AND ADDITIONAL AUTHORIZATION LIST (AAL)
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Current as of 12 March 1981

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. In either case, a reply will be furnished direct to you.

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Section I. INTRODUCTION

1. Scope. This publication provides an overprinted DA Form 2062 (Hand Receipt) which lists the contents of Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) items related to Radiac Sets AN/PDR-27J, AN/PDR-27L, and AN/PDR-27Q.

2. General. *a.* Section II is the overprinted DA Form 2062 which lists the line item entry for System/End Item and the content of COEI, BII, and AAL extracted from TM 11-6665-209-10. The listings consist of exactly the same items and are in the same sequence as those listings in TM 11-6625-209-10.

b. The overprinted DA Form 2062 will eliminate manual preparation of the form and will assist organizations in inventorying and accounting for property as required by AR 710-2.

c. Local reproduction of the overprinted DA Form 2062 is authorized. However, organizations shall comply with local policies in the reproduction of DA Form 2062 by office copying equipment, field printing plant, or duplicating plant facilities.

d. Additional copies of this publication may be requisitioned from the US Army Adjutant General Publications Center, 1655 Woodson Road, St. Louis, MO 63114 in accordance with Chapter 3, AR 310-2.

3. Explanation of Blocks and Columns (DA Form 2062). *a. FROM.* Enter the organization for which the property book is maintained.

b. TO. Enter the (UIC) and the hand receipt file number of the unit/personnel receiving the property.

c. CATALOG NO. Contains the technical manual (TM) number of the operator's manual.

d. CURR OF ALW. Not applicable.

e. ITEM. Contains end item short title.

f. STOCK NO. National stock number of the item described. Items without stock numbers should be requisitioned by Federal Supply Code for Manufacturer (FSCM) and Part Number direct from: US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-MM, Fort Monmouth, NJ 07703.

NOTE

The Accounting Requirements Code (ARC) refers to property accountability, *not* to disposal authority. Disposition action and authority for an unserviceable item is governed by the recoverability code (5th position code of the SMR code) assigned to the item.

g. ITEM DESCRIPTION. Identifies the item contained in the COEI, BII, and AAL. The first entry shall be the line item's Expendability (EXP)/Accounting Requirements Code (ARC), in parentheses, in front of the line item name. One of the following codes will apply:

(N) for Nonexpendable: Items not consumed in use, retaining their identity during use, and requiring that accountability be maintained throughout the life of the item.

(D) for Durable: Nonconsumable components of sets, kits, outfits, and assemblages; all tools in FSC's 5110, 5120, 5130, 5133, 5136, 5140, 5180, 5210, 5220 and 5280; and any other nonconsumable with a price in excess of \$50.00 not already "N".

(X) for Expendable: Items regardless of type classification or price and which are consumed in use. Includes all class 9 repair parts. Items not consumed in use which cost \$50.00 or less and not already "N" or "D".

In addition, it will contain nomenclature, and serial/USA number (if applicable) that will be useful in identifying and controlling the item. Serial number to be inserted and initialed on all copies by the hand receipt holder.

h. T'(a). Quantity of each item as listed in the COEI, BII, and AAL.

i. C²(t). Leave blank.

j. BALANCE.

(1) 1. Enter the total quantity possessed by the receiving unit/personnel for each item listed. All quantity totals will be advanced to the next balance column on any item changes, annotated "adjusted" dated, and signed by the individual receiving the property.

(2) 2. The individual receiving the property will sign and date the appropriate balance column on the bottom of the last page below a drawn line. When an inventory is taken, the column will be annotated "Per Inventory".

(3) 3 through 12. Same as (2) above.

k. PAGE NO./NO. OF PAGES. Contains page number and total pages for the COEI, BII, and AAL portions of the hand receipt. Hand receipt holder initial each page no. (only when two or more forms are involved).

When hand receipt holders change, the old initials will be lined out and new hand receipt holder will initial each page.

4. Authorization Documents. *a.* Components of End Item (COEI) are authorized by the applicable

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Repair Parts and Special Tools List (RPSTL).

b. Basic Issue Items (BII) are authorized by the applicable operator's manual.

c. Additional Authorization List (AAL) items are authorized by appropriate MTOE, TDA, CTA, or JTA authorization documents.

Section II. HAND RECEIPT

Following is the Hand Receipt for Radiac Sets AN/PDR-27J, AN/PDR-27L, and AN/PDR-27Q.

STOCK No.	ITEM DESCRIPTION	T (a)	C (b)	BALANCE												
				1	2	3	4	5	6	7	8	9	10	11	12	
	Basic Issue Items (BII)															
	NOT APPLICABLE															
	Additional Authorization List (AAL)															
6135-00-120-1020	(X) BATTERY, DRY (81349) BA-30	12														
5120-00-222-8852	(D) SCREWDRIVER (81348)	1														
	THOSE NSN'S INDICATED BY AN "X" IN THE ARC															
	ON HAND RECEIPT PAGES NEED NOT BE COUNTED															
	UNDER THE INVENTORY PROVISION OF PARA 2-10,															
	AR 710-2. ITEMS WILL BE ORDERED AS REQUIRED.															
T - Total allowance for Hand Receipts. (a) Authorized per item for Hand Receipt Annexes.																
C - Current operating allowance for Hand Receipts. (b) Total authorized for Hand Receipt Annexes.																
		PAGE No. 2														
		NO. OF PAGES 2														

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HAND RECEIPT/ANNEX NO. For use of this form, see AR 710-2; the proponent agency is the office of the Deputy Chief of Staff for Logistics.		FROM:		TO: Hand Receipt File No.											
Following last item, state in each balance column the type of action (e.g. issue, turn-in, inventory, etc.) producing this balance, date of action, and signature.		Fill in the following when this form is used as Hand Receipt Annex.													
		CATALOG NO TM 11-6665-209-10		CURR OF ALW		ITEM RADIAC SET AN/PDR-27L									
STOCK NO	ITEM DESCRIPTION	T' (a)	C' (t)	BALANCE											
				1	2	3	4	5	6	7	8	9	10	11	12
6665-00-856-3456	(N) RADIAC SET AN/PDR-27L														
	Components of End Item (COEI)														
5999-00-685-9470	(X) HARNESS (80058) ST-136/PDR-27J	1													
5965-00-651-7372	(X) HEADSET, ELECTRICAL (80058) H-43B/U	1													
6665-00-078-4178	(N) RACIACMETER (80058) IM-173/PDR-27L	1													
6665-00-832-6159	(N) RADIOACTIVE TEST SAMPLE (80058)	1													
	MX-7338/PDR-27R														
6665-00-618-9945	(X) CASE, CARRYING (80058) CY-2312/PDR-27J	1													
		T - Total allowance for Hand Receipts. (a) Authorized per item for Hand Receipt Annexes. C - Current operating allowance for Hand Receipts. (t) Total authorized for Hand Receipt Annexes.													
		PAGE NO 1 NO. OF PAGES 2													

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				1	2	3	4	5	6	7	8	9	10	11	12	
	Basic Issue Items (BII)															
	NOT APPLICABLE															
	Additional Authorization List (AAL)															
6135-00-120-1020	(X) BATTERY, DRY (81349) BA-30	12														
5120-00-222-8852	(D) SCREWDRIVER (81348)	1														
	THOSE NSN'S INDICATED BY AN "X" IN THE ARC															
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				1	2	3	4	5	6	7	8	9	10	11	12
	Basic Issue Items (BII)														
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RECOMMENDATION MAKE A CARBON COPY OF THIS
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THE METRIC SYSTEM AND EQUIVALENTS

LENGTH MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 lb.
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

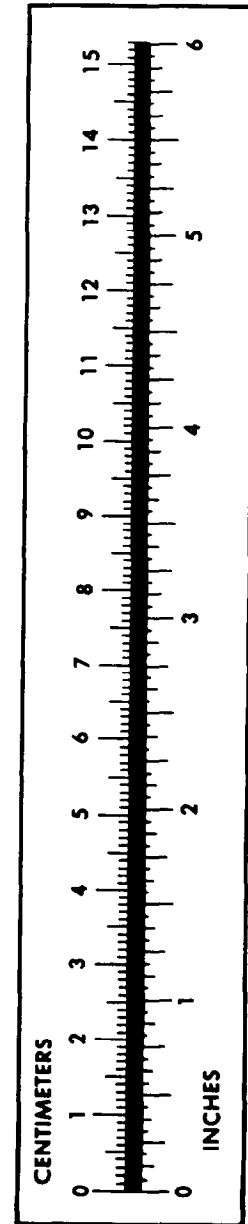
TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
Quarts	Liters	0.473
Gallons	Liters	0.946
Ounces	Liters	3.785
Pounds	Grams	28.349
Short Tons	Kilograms	0.454
Pound-Feet	Metric Tons	0.907
Pounds per Square Inch	Newton-Meters	1.356
Miles per Gallon	Kilopascals	6.895
Miles per Hour	Kilometers per Liter	0.425
	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
Liters	Gallons	0.264
Grams	Ounces	0.035
Grams	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
Kilometers per Liter	Miles per Gallon	2.354
Kilometers per Hour	Miles per Hour	0.621



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